

Converting Colors

CIELCh(11, 55.937, 313.778)

Have a look what the booklet for
CIELCh(11, 55.937, 313.778)
contains.

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Color

CIELCh(11, 55.580, 313.883)

Conversions

Conversions Part 1

Format	Color
Hex	2F0056
RGB	47, 0, 86
RGB Percent	18%, 0%, 34%
CMY	0.8168, 1.0000, 0.6638
CMYK	0.46, 1.00, 0.00, 0.66
HSL	273°, 100%, 17%
HSV	273°, 100%, 34%
XYZ	2.8264, 1.2610, 8.8429
YIQ	23.8570, 0.4060, 36.7100

Conversions

Conversions Part 2

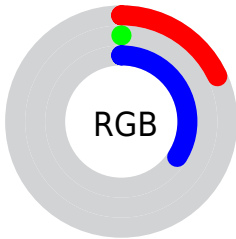
Format	Color
R_{YB}	47, 0, 86
Decimal	3080278
CIE _{Lab}	11.00, 38.53, -40.06
CIE _{LCh}	11, 55.580, 313.883
Yxy	1.2610, 0.2186, 0.0975
Android (android.graphics.Color)	4281270358 (0xFF2F0056)
YUV	23.8570, 30.6365, 20.2964
Hunter-Lab	11.2295, 25.2766, -38.8287

Details

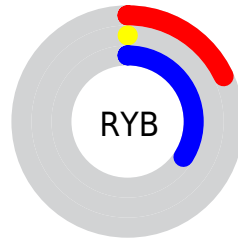
The CIELCh color **11, 55.580, 313.883** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **32, 49.393, 128.173**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 55.708, 313.658**, and **2, 22.832, 290.769** is the 20% darker color. If you saturate the color by 10%, you get **11, 55.477, 313.850**, and if you desaturate by 10%, it is **13, 51.059, 313.723**.

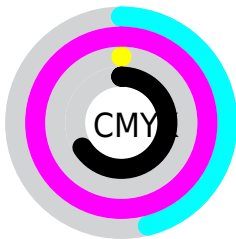
Distribution



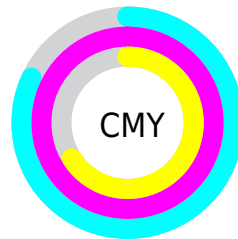
- Red (18%)
- Green (0%)
- Blue (34%)



- Red (18%)
- Yellow (0%)
- Blue (34%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)



- Cyan (82%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 55.580, 313.883 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 11, 55.580, 313.883 by changing the saturation by 10% instead.

■ 11, 55.580,
313.883

■ 11, 55.580,
313.883

■ 100, 55.580,
313.883

■ 1, 55.580, 313.883

■ 31, 55.580,
313.883

■ 0, 55.580, 313.883

■ 41, 55.580,
313.883


■ 51, 55.580,
313.883


■ 61, 55.580,
313.883


■ 71, 55.580,
313.883


■ 81, 55.580,


313.883


 91, 55.580,
313.883


 11, 55.580,
313.883


 11, 55.580,
313.883


 11, 55.477,
313.850

 13, 51.059,
313.723

 15, 46.766,
313.738

 17, 41.622,
313.546

 19, 35.923,
313.212

 22, 29.927,
312.797

■ 25, 23.815,
312.345

■ 28, 17.708,
311.885

■ 31, 11.679,
311.436

■ 34, 5.770, 311.006

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11, 55.580, 313.883



32, 49.393, 128.173

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11, 55.580, 313.883



11, 55.580, 3.883



11, 55.580, 133.883



11, 55.580, 183.883

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11, 55.477, 313.850



36, 22.131, 311.932



16, 32.212, 283.388



16, 14.970, 312.046



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11, 55.477, 313.850



16, 67.172, 313.472



18, 51.014, 329.495



16, 3.254, 310.955



15, 64.960, 313.532



39, 116.199, 312.798

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16, 38.301, 2.372



23, 46.139, 4.025



31, 53.315, 136.666



16, 2.519, 346.785



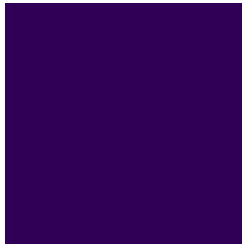
21, 44.653, 3.762



50, 79.265, 7.126

Previews

White Background



This preview shows how the CIE LCh color 11, 55.580, 313.883 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 11, 55.580, 313.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

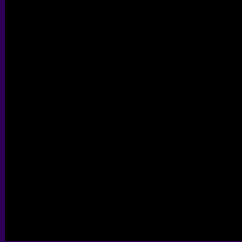
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 55.580, 313.883

Background



This preview shows how black text looks on a background with the CIELCh color 11, 55.580, 313.883.



This preview shows how white text looks on a background with the CIELCh color 11, 55.580, 313.883.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

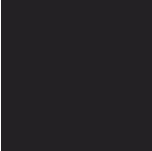
11, 55.580, 313.883

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 18.951, 265.425



Tritanopia
13, 2.378, 314.910

Trichromacy



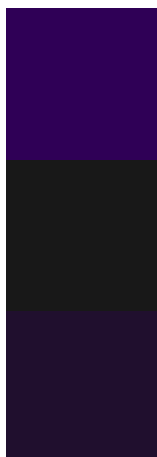
Original Color
11, 55.580, 313.883

Protanomaly
10, 39.039, 299.484

Deuteranomaly
10, 34.263, 297.799

Tritanomaly
11, 24.895, 313.086

Monochromacy



Original Color
11, 55.580, 313.883

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 23.945, 313.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 55.580, 313.883 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(47, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(47, 0, 86)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(47, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 55.580, 313.883 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 0, 86) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(47, 0, 86) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(47, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 0, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 0, 86); box-shadow:4px  
4px 4px 4px rgb(47, 0, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 55.580, 313.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 0, 86) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(47, 0,  
86) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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